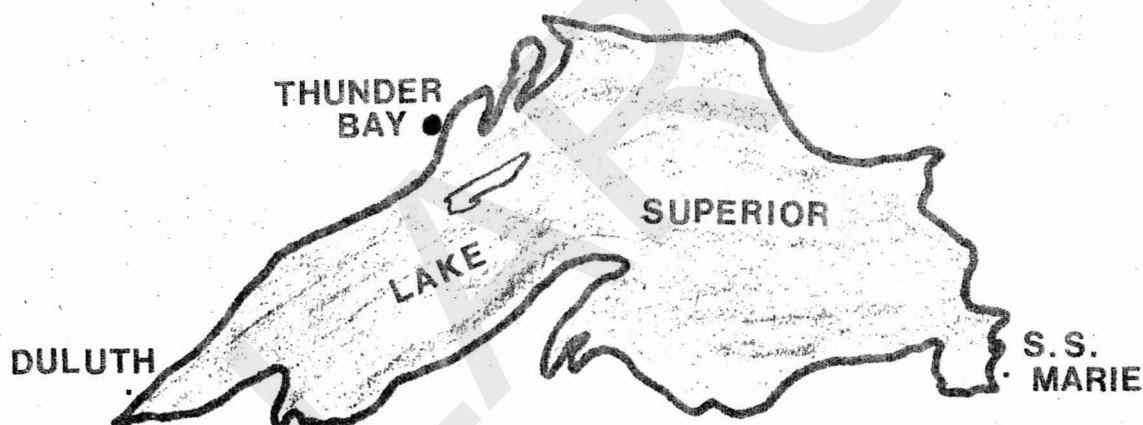


FEB - - 1986

# HI-Q

## LAKEHEAD AMATEUR RADIO CLUB BULLETIN



REPEATERS  
TBR 146.82  
YQT 147.06

CLUB STATION  
VE3FW

FOUNDED 1934

INCORPORATED 1979

NOTICE TRS-026-85

Countries that forbid Amateur  
Communications:

Angola	Saudi Arabia
Burma	Somali
Ethiopia	Thailand
Ghana	Turkey
Iraq	Yemen
Libya	Zaire
Pakistan	

Countries with which Canada has  
concluded agreements for third  
party traffic:

Antigua and Barbuda	Honduras
Australia	Israel
Bolivia	Jamaica
Chile	Mexico
Colombia	Nicaragua
Costa Rica	Paraguay
Dominica	Peru
Dominican Republic	Trinidad and
El Salvador	Tobago
Grenada	Great Britain
Guatemala	and N. Ireland*
Haiti	United States
	Uruguay
	Venezuela

\*Third party traffic to the U.K. is  
restricted to messages sent on  
behalf of third parties from  
"SPECIAL EVENTS STATIONS" in the  
U.K. to Amateur stations in Canada.

cont'd:  
United States of America  
Venezuela  
Yugoslavia

Countries with which  
Canada has concluded  
reciprocal operating  
agreements:

Antigua and Barbuda  
Australia  
Austria  
Bahamas  
Barbados  
Belgium  
Bermuda  
Botswana  
Brazil  
Chile  
Colombia  
Costa Rica  
Denmark  
Dominica  
Dominican Republic  
Ecuador  
Finland  
France  
Germany (Federal Rep)  
Greece  
Grenada  
Guatemala  
Haiti  
Honduras  
Iceland  
India  
Indonesia  
Ireland  
Israel  
Italy  
Jamaica  
Luxembourg  
Malta  
Netherlands  
New Zealand  
Nicaragua  
Norway  
Panama  
Papua New Guinea  
Peru  
Philippines  
Poland  
Portugal  
Saint Lucia  
Senegal  
Sweden  
Switzerland  
Trinidad and Tobago  
U.K. and N. Ireland

FEBRUARY - 1986 ISSUE

THE NEXT MEETING OF THE L.A.R.C. WILL BE HELD THURSDAY FEB. 13, 1986 AT THE E.M.O. BUILDING, CORNER OF WATERLOO/VICTORIA AVE.

COFFEE (JAVA, MUD, JOE ETC.) POP AND DONUTS WILL BE SERVED.

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THE PREZ SEZ

As mentioned last month in Hi-Q, a committee was formed to review the department of Communications proposed changes to the Amateur Radio Service. The committee consisted of Bill-XJ, Len-ILV, Bob-NHN, Vic-ECV, Bill-LMV. A copy of their report is included in this issue of Hi-Q and a copy has been forwarded to the DOC on behalf of the club.

A great deal of time went into this report and I would like to thank the committee for preparing it. While it may not reflect the opinion of each and every club member, it does reflect the opinion of the club as a whole. I would also suggest that each and every one submit a letter to the DOC with your thoughts on the subject. You may agree or disagree with the enclosed report, but more importantly, put your thoughts down on paper and mail it.

Just bear one thing in mind. If you don't bother to write, you will get what you deserve. If no one writes, the DOC will figure they are right on the money and proceed accordingly. Let them know your views now.

Also included here is a copy of a letter which I received from Ted Fallen of the EMO. Please read, heed and be wise. We are not the only users of the EMO Building, so please be considerate to other users.

There are also a number of other items you should be aware of. A motion was tabled a few months ago for the club to purchase new heliax and an antenna for VE3YQT. These items will be ordered shortly (if not already done so). I have included more info in a repeater report.

Tickets for the Dinner/Dance are going fast. Contact Gary-CK, Richard-OPI or Bob-NHN for tickets. We will hold our regular monthly meeting at the EMO Building on Thursday Feb. 13. There will be no business tabled at the Dinner/Dance. Come and enjoy and bring a friend or guest couple.

There are two events coming up shortly for which the club will be providing communications. The first is a Winter Carnival Parade to be held on Saturday Feb. 8th. Approximately 4 operators are required and you can contact Skip-VE3BBS for details. The other event is the Ice Races to be held on Saturday Feb. 22 and Sunday Feb. 23. Approximately 8 mobiles will be required to provide communications. If you are available, contact Les-VE3JAJ for details.

One final note to Ares Members. The cat is out of the bag and Skip announced that there will be an Ares Test sometime in February. No date was mentioned, but it will probably be on a Saturday afternoon and involve setting up stations at the hospitals, EMO Building, etc. It should take only a few hours and Skip said he would buy coffee for everyone who turns out! (sorry about that Skip -- just kidding about the coffee).

Another item also requires mention. Vic-VE3ECV is now a reformed smoker and has joined the majority. A motion was made to ban smoking during meetings and was passed. ~~Take Now, And Buy Radio Shack Smoke Detector, please do so downstairs.~~

Since only one person objected to the motion, it seems the tide has turned against smokers.

In last months Hi-Q, I made mention of a 'dues reminder' in VE3TBR. Well, that spired at least one Amateur, who felt it particularly embarrassing, to get chewed out by a computer. My apologies to anyone who I may have offended. It did seem like a good idea at the time, but...to make amends, I have simply deleted said members with dues in arrears from the speed dial. They can still use the regular autopatch to call home. When their dues are up to-date, their speed dial number will be re-instated.

73's Tom VE3CX - PREZ

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#### DIRTY LAUNDRY

VE3MNH is working the world on 10M--ala relim. VE3ORI is getting itchy fingers, ready to burn up the bands. VE3OTZ is going great guns on QRP. VE3NHP turned into an 'easterner' again. VE3BBS had a visit from Murphy (I thought he was a permanent resident at JAA's!). VE3CK and XYL have a flashy set of new wheels. VE3KRH is looking for another computer. VE3KRI is first in line for the one they already have. VE3KRP and VE3MNR are on the wagon?? (No, that's NOT possible!). VE3KRV is having a going out of business sale and buying more gear. VE3CX taught his computer(s) to say naughty things! VE3AVS is on the lookout for an eight bit bit cruncher (say that real fast 3 times and win a pizza!) VE3JAA got his voice back (maybe it's his computer talking for him?) VE3KRH tries to gas up free?? VE3MZX has been veeery quiet lately--perhaps he ran off and tied the knot? VE3NHN advises it's lights out on his 208R.

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#### CLUB CALL BOOKS

The club recently purchased the 1986 edition of the North America and DX call books. The books will be stored at the club station VE3FW and are there for the use of all club members.

PLEASE NOTE: No sign out procedure has been established for these books, as they are not to be signed out. They should be left at the club at all times.

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#### JRSD FUND

We have not heard too much about the JRSD (Jack Ravenscroft Susceptibility Defence) fund, so a note in EQA was very welcome. According to the article, close to 400 Amateurs and Associations (including the LARC) have made contributions so far, pushing the fund over the \$13,000 mark in mid October.

A new mailing address has been loaned to the fund by the Ottawa ARC

J.R.S.D. Fund,  
Box 8873,  
OTTAWA, Ont. K1G 3J2

On a lighter note, Carl and Travellers Insurance now offer a \$1,000,000 legal liability insurance plan for reasonable rates. If the above case goes against us, this is something a lot of us may be investing in.

Lakehead Amateur Radio Club History Project  
Be Generous!

## AMATEUR OF THE MONTH

PRESIDENT...Tom Haavisto - VE3CX/VE3TBU/KA7PLM Amateur Radio Operator since 1974

Tom is employed by Bell Canada as a Central Office Technician, maintaining computerized central offices (of course), as well as other duties. He was licenced in 1974 as VE3HHS, changed to VE3EEW in 1979, then VE3CX in 1985. He also holds an American Novice Ticket (KA7PLM) since 1983.

He has participated in several major contests, such as the WPX, CQWW and ARRL DX, winning several of them. He has worked 275 plus DX countries on HF, as well as DXCC on 10 through 40 Meters, and about 60 countries on 80 Meters.

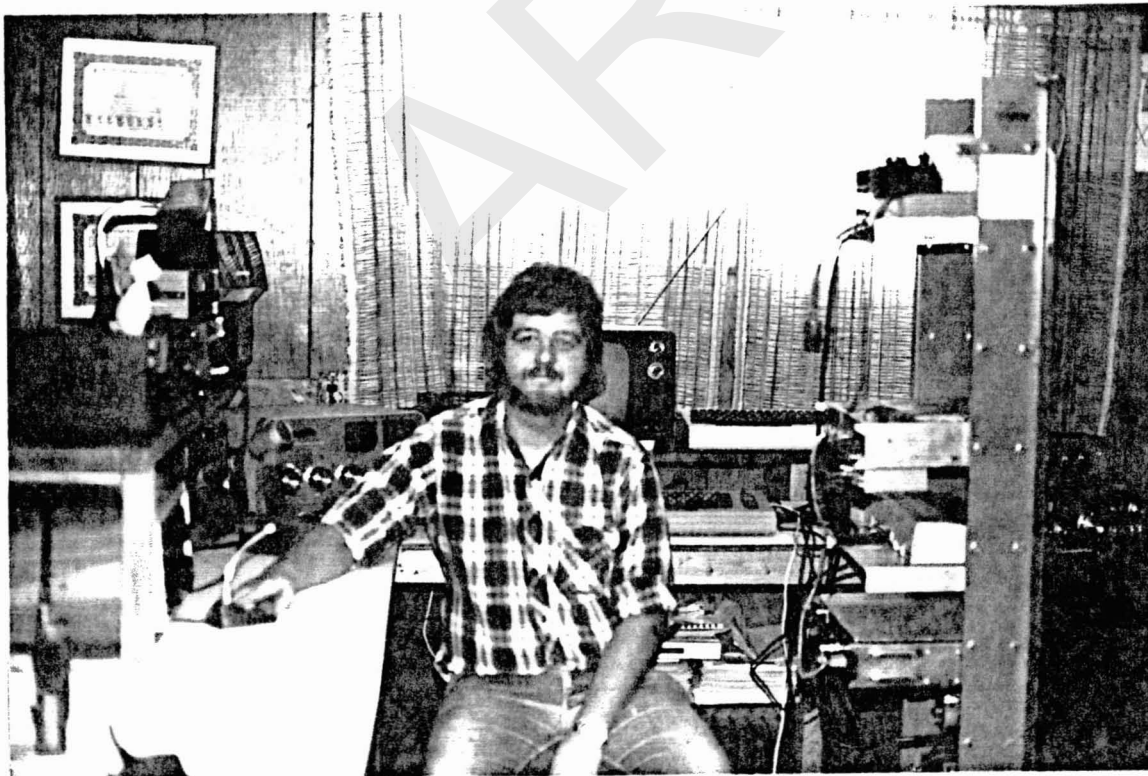
Over the years, Tom has collected one or two pieces of gear including:

HF-Drake THXC Transmitter  
Drake R4C Receiver  
Heathkit SB220 Linear  
Various other 'contest' accessories

VHF-Icom IC251A SSB Transceiver  
Kenwood FM  
Icom IC02AT FM  
Mirage B108 Linear Amplifier  
Homebrew KW Amplifier (not shown)  
1 - 14 Element Yagis (70' and 85')  
AEA Isopole at 90'

UHF-VE3TBU UHF Repeater  
Icom IC 44AT FM Transceiver

COMPUTERS-Commodore Vic 20 - VE3TBU Controller plus various functions  
" 64 - VE3YQT Controller (under construction) plus various functions  
" 1541 Disk Drive  
1296 MHz - nothing yet, but it's the next stop "up the band"



His primary interests at present are Computers, and various computer applications, such as repeater controllers. His first venture in this area was VE3Tsk, run with a Radio Shack TRS-80. Since then, VE3TBU (UHF Repeater) is equipped with a Commodore Vic 20. In the Near Future, VE3YQT will be equipped with a Commodore 64 and VE3TBR shortly afterwards. After that - who knows!



AS YOU MAY HAVE HEARD, THE D.O.C. IS PLANNING ON LOWERING THE REQUIREMENTS FOR THE HAM TICKET. IN RESPONSE TO THE EXPECTED KAOS, THE THUNDER BAY HAM POLICE IS READY TO ACCEPT THEIR NEW RESPONSIBILITIES.

OUR MOTTO IS:

"WE SUCK UP  
REPEATER VIOLATORS!"



PREPARED FOR THE  
NEXT CALL TO ARMS  
IS ONE PRIVATE EYE  
NICKNAMED  
"THE SHOOTER"



LAKEHEAD AMATEUR RADIO CLUB, INC.  
FINANCIAL ACTIVITY DEC. 12/85 - JAN. 9/86

	OPENING BALANCE	\$5,287.96
<u>REVENUES</u>		
	Sale of Book	\$15.00
	Dues	50.00
	Raffle	1,322.00
	Interest	3.77
	Donation	100.00
		<u>1,490.77</u>
<u>EXPENSES</u>		
	Stamps	6.82
	HI-Q (Dec & Jan)	42.20
	Plug for VE3FW	7.72
	Raffle Expense	62.43
	Phone	17.49
		<u>136.66</u>
	DIFFERENCE	<u>1,354.11</u>
	NEW BALANCE	<u>\$6,642.07</u>

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RAFFLE SUMMARY

Total Sales		\$1,492.00
COSTS:		
	Prize	533.93
	Administrative	212.79
		<u>746.72</u>
DIFFERENCE (PROFIT)		<u>\$ 745.28</u>

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REPEATER NEWS

Quite a bit of activity has been ongoing behind the scenes with the clubs' repeaters, and a few problems have cropped up. Here is how things stand at present.

There have been some problems with accessing the Autopatch on YQT. This has consisted of wrong numbers and on occasion, being unable to access the Autopatch. These problems were due to the location of the Receive Antenna in Laurie VE3BCD's basement. The signal from the repeater was a bit noisy, causing the problems. As an interim measure, the antenna was relocated to provide a better signal. When the weather warms, the antenna will be relocated out of doors to provide a better signal.

As most of you know, the machine was hit by lightning last year and has not been fully repaired. Now that the clubs finances have improved, a new run of Heliac Cable and a new Antenna have been ordered. The cost will be around \$4,000 for these two items alone. Arrangements have been made with Sinclair to install the new cable and antenna on Mount Baldy in conjunction with other work being done there. The only cost to the club will be the cost of materials required for our installation, such as Ty-Raps and grounding kits for the cable. New connectors will also be ordered.

## REPEATER NEWS (cont'd)

The club will be receiving approximately 300 feet of 7/8" Heliac from Terrace Bay this spring. The cable will be tested to make sure it is OK, then stored for future use. It is the opinion of the repeater committee NOT to use this cable on Mount Baldy in the event it is defective, and due to the amount of work that would be required to replace it.

Work is ongoing for a new Computer Controller for the bottom end of YQT. The club will be purchasing a Commodore 64 Computer for this purpose. When the Controller is completed and operational, YQT will have most of the features currently available on TBR, as well as a few new features not yet available in TBR.

Once this controller is completed, a second controller will be built for TBF. When this controller is operational, both machines will be operationally identical. The same software will be used for both controllers, outside of a few minor changes. When the new controller is installed in TBR, a few other improvements will also be made, such as repackaging the receiver and transmitter in new cabinets, and adding an emergency power system. This should result in improved range.

While this work is ongoing, it will be necessary to have one machine or other out of service for a short duration. During these times, every effort will be made to ensure proper operation of the other repeater.

Until the new controller is operational in VE3TBR, I will not be making any major changes to how it operates, outside of minor updates such as speed dial numbers. Speaking of speed dial numbers, all Ares members who have advised Skip-VE3BBS of their work phone number will have it included in TBR. Just use \*5 instead of \*7 to call the Persons Work Phone Number.

I will attempt to notify club members of the dates of expected outages and expected duration of outages for the repeaters in Hi-Q and on the Salt Mine Net. In the event that announcements are not made as indicated above, an announcement will be made on the affected repeater prior to the outages.

Hang in there. Good things are coming.

Tom - VE3CX

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## TBBS - THE BREAD BOARD SYSTEM

TBBS is a computerized bulletin board run by Gary Walsh-VE3JAF. For the past year or so, Amateur Radio Operators have had free access to certain portions of the board. However, due to a lack of interest, these privileges have now been removed.

There is still a section of the board devoted to Amateur Radio. Here you will find information such as the ARRL RTTY Bulletins (updated weekly) the W5YL report (lots of good information about amateur radio), as well as other information related to Amateur Radio.

The Board also has sections devoted to various types of computers (Commodore, Apple, Radio Shack, etc.). Regardless of what type of computer you use, you will be able to contact other people with the same type. You can swap ideas and information, even programs!



TBBS (cont'd):

A recent addition to TBBS is INFO-MAG Magazine 'published' on a weekly basis. It is an electronic magazine, covering the latest happenings in the fast moving world of electronics. This alone makes TBBS membership worthwhile. TBBS is not free. Membership costs \$8.00 for 3 months. All monies generated from memberships (and then some) go back into the board. Gary was previously purchasing 'free' (public domain) programs, but since the local computer clubs are doing an excellent job of distributing software, he has gone into the information aspect of things.

Should you wish to become a member, it's very simple. All you need is a computer, a modem to connect your computer to the telephone, and a program to run your computer. Once you have that, just call up TBBS, and away you go! There is a two-week free trial membership to give you a chance to look around and familiarize yourself.

In my opinion, TBBS is the best of its kind in Thunder Bay and if you have any interest in computers at all, I highly recommend membership in TBBS. See you on the Board! PS Call 622-2685 - 24 hrs. a day.

Tom - VE3CX - Ham Sig SYSOP

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FOR SALE      FOR SALE      FOR SALE

Drake THXC Transmitter - 100W Output and has cooling fan installed 10-160 Meters

Drake R4C Receiver - 10-160 Meters. 500 HZ and 1500 HZ Filters installed.

Also has set of Sherwood Engineering Crystals installed to take care of crowded band conditions. A new Audio Amp and Product Detector have been installed.

Shure 444 Microphone, MFJ Speech Processor and spare set of brand new Finals for Transmitter. Matching Speaker (MS4)

The units will operate as separates, or transceive off of either unit. A Super Rig that helped win several contests and work 270 plus countries.

The above are being sold as a package for \$600.00

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Collins 75S1 Ham Band Receiver 10-80 M      \$250.00

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All units in good working order and manuals are included.

Call Tom, VE3CX at 767-1453 (home)  
623-6460 (work)  
or on VE3TBR (2M).

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SALT MINE NET

Total check-ins for the month of December 1985 was 234

Lakehead Amateur Radio Club History Project  
VE3JAA - Arnold

The meeting was opened at 8:00 P.M. by Tom VE3CX. This was followed by a Round Table and Coffee.

A Committee formed at the December Meeting presented a list of recommendations for the proposed DOC Rules Changes. A motion by Glen, VE3JAU to limit discussions on these changes to Ten Minutes was seconded by Dave-VE3AVS and carried. Art-VE3LMG made a motion to send a copy of this report to DOC on behalf of the club and with the President's Signature. This was seconded by Skip-VE3BBS and carried. The Financial Report was read by Ian-VE3LMN. A motion was made by Les-VE3JAJ to accept the report and seconded by Dan-VE3KRO and carried. Skip-VE3BBS announced that new ARES I.D. Cards are now available. Volunteers are needed for the Winter Carnival Feb. 8 and the Ice Races Feb. 22-23. Under old business Tom-VE3CX announced that the club will go ahead and purchase new heliax and Antenna for VE3YQT as previously approved. The Commodore 64 Computers will also be purchased. A motion to purchase a Disk Drive for these Computers was made by Richard-VE3OPI, seconded by Les-VE3JAJ and carried. Also the club will be able to acquire some used Heliax from a Terrace Bay location in the spring. A crew will have to be on site for coiling and transporting the heliax. A motion to pay the crews meals and gas was made by Les-VE3JAJ, seconded by Rich-VE3OPI and carried. Under new business Skip-VE3BBS suggested that we present a Certificate of Merit to Abitibi-Price to thank them for their recent donations. It was also suggested that a letter of thanks be sent to Cosmo-Vox for their generous donation. Bob-VE3JAB will be appearing on "Community Clipboard" on Thunder Bay Television Jan. 27 promoting Amateur Radio and the L.A.R.C. Vic-VE3ECV made a motion to prohibit smoking in the meeting area during meetings. This was seconded by Arnold-VE3JAA and carried. A motion to adjourn was made at 9:38 P.M. by Mike-VE3ZG, seconded by Vic-VE3ECV and carried.

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#### AUTOPATCH - RULES AND CONVENTIONS

None of us like more regulation than necessary and such has been the case with the use of the clubs autopatches. However due to recent discussions on the air and at club meetings, as well as 'Questionable' calls by some members, it appears some guidelines are required.

The attached sheet is based on that currently in use on VE3ULR Repeater with modifications as required for our purposes. At present, this is only open for discussion at the February meeting and I will present a motion that they be adopted by the club. For the purposes of this guideline, and the unique circumstances of our two autopatch repeaters, the licensee shall be deemed to be the club.

Tom - VE3CX

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#### NOTICE FROM THE DOC

A fee of \$5.00 is payable by a candidate seeking to qualify for an Amateur Radio Operator's Certificate, an Amateur Radio Operator's Advanced Certificate or an Amateur Digital Radio Operator's Certificate, prescribed in the Radio Operator Certificate Regulations, in respect of each sitting for any of the following examinations:

- |                               |                  |
|-------------------------------|------------------|
| a) Morse Code Receiving Exam. | c) Theory Exam.  |
| b) Morse Code Sending Exam.   | e) Digital Exam. |
| c) Regulations Exam.          |                  |

Mike - VE3ZG

1. All Department of Communications rules are to be strictly adhered to.
2. Autopatch is NOT to be used for business use OR any use which may border on a questionable business activity.
3. The callsign of the station requesting the autopatch MUST BE GIVEN immediatly before the patch is activated.  
ie. "VE3??? for the autopatch"
4. The callsign of the station using the autopatch must be given after terminating the autopatch.
5. In the event that one repeater is occupied, the other repeater should be checked for activity BEFORE breaking in to use the autopatch.
6. The autopatch should not be used if regular facilities are close by, except in the event of an emergency and the regular facilities are not in working order.
7. The licensee of the repeaters and his designated control stations reserve the right to terminate any autopatch, or by remote control render the autopatch inoperative at any time without prior notification to any or all users.
8. The licensee agrees in any reasonable instance to maintain the autopatch in working order but will assume no responsibility or liability to anyone for failure of the autopatch.
9. Membership dues are payable yearly, in advance. Membership dues are \$10.00 per year in addition to full membership in the club. Memberships expire on the last day of the month of October.

The above should be self explanatory. Should you have any questions, please forward them to Tom Haavisto, VE3CX, President - Lakehead Amateur Radio Club.

The above is a modified version of the rules and conventions that apply to VE3ULR repeater near Toronto, and have been modified as required for the use of the club.

Both repeaters are open access. However, we ask that ALL users of these repeaters help support their maintenance, upkeep and operating expences.

January 16, 1986

VE3TBR FUNCTION SHEET

*1 - AUTOPATCH	*2 - TEST PAD	*3 - DIAL IN
*4 - AUTOPATCH	*5 - EME SPEED DIAL	*6 - WORK # SPEED DIAL (*)
*7 - HOME # SPEED DIAL	*8 - TIME	*9 - REDIAL
*05 - WEATHER OFFICE	* - RESET AUTOPATCH 5 MIN TIMER	
# - TERMINATE ALL FUNCTIONS		

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SINGLE BEEP - RESET TIME-OUT TIMER      DOUBLE BEEP - SEVERE WEATHER WATCH  
TRIPPLE BEEP - DIAL IN (345-5552) - USE \*3 TO ANSWER  
SPECIAL BEEP - EMERGENCY - PLEASE QSY TO VE3YQT  
ANY DIGIT FOR TEN SECONDS - DISTRESS

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TAIL MESSAGES

MEET - MEETING NIGHT	RACE - LEGION 10 MILE - HEART OF THUNDER BAY
SKI - SIBLEY SKI TOUR	VOTE - ELECTION DAY REMINDER
DUES - ANNUAL DUES NOW DUE	CLUB - CLUB STATION VE3FW OPEN (WED. NIGHT)
ARES - ARES TRAFFIC NET	NET - NET ON VE3YQT

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EMERGENCY SPEED DIAL (\*5)

00 - POLICE	12 - McKELLAR	40 - AIR CANADA
01 - OPP	13 - St. JOSEPH	41 - NORDAIR
02 - FIRE	20 - EMO	42 - AUSTIN
03 - FOREST FIRE	22 - ROAD INFO	53 - SKI
04 - AMBULANCE	23 - CITY HALL	60 - OPR SUPV.
05 - WEATHER OFFICE	24 - OML	
10 - GENERAL HOSPITAL	30 - TOW N	
11 - LPH	31 - TOW S	

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SPEED DIAL (\*7)

AHD - 32	ECV - 26	ILV - 90	KRP - 88 *	NHX - 14 *	ZG - 19 *
AJ - 62	EDW - 34	IY - 64 *	KRV - 70 *	NNO - 31	
ARN - 11	EDZ - 61	JAA - 21	KRZ - 43 *	NNR - 66	
AVS - 76 *	EFC - 50 *	JAB - 37	LME - 41	OPI - 47	
AXL - 40 *	EFZ - 33 *	JAJ - 55	LMG - 12	OPL - 30 *	
AYZ - 13	GOW - 26	JAU - 49 *	LMI - 17	OPZ - 42	
BBS - 23 *	HFS - 16	JAY - 10	LML - 36 *	OTC - 73 *	
BCD - 28 *	HPT - 22	JQ - 25	LMN - 27 *	OTI - 39	
CH - 29	HTM - 44	KRD - 99	LMV - 48 *	OTZ - 78 *	
CK - 26 *	HXK - 38	KRH - 45	MZX - 46	WF - 20 *	
CX - 69 *	HZW - 57 *	KRN - 65	NHN - 60	XJ - 15 *	
DJM - 51	ICY - 35	KRO - 77 *	NHP - 52	XT - 18	

January 9, 1986

The Director General  
Radio Regulatory Branch  
Department of Communications  
300 Slater Street  
Ottawa, Ontario  
K1A 0C8

Dear Sir:

We would like to take this opportunity to respond to the Department of Communications Radio Act, Notice Number TRS-021-85 as published in the Canada Gazette dated November 16, 1985.

Our comments and observations will be directed to the Draft of a Discussion Paper on a Possible Restructuring of the Amateur Service in Canada, dated August 20, 1985.

We wish to frame our comments on the questions presented in the above noted discussion paper which are as follows.

1. Are there significant factors which should be considered that may affect this proposed structure?
  - a) How could the proposed structure be improved?
  - b) What are our suggestions for a new structure.
2. If you are an aspiring amateur, would this new structure encourage you to become an amateur and why?
3. If you are currently an amateur radio operator, would the proposed structure better reflect your normal operations and the equipment used in your station?
4. What would be the effects upon Amateur Radio in the future if this structure were implemented?
5. Would this proposed structure accommodate special interest groups or should the Department consider the retention and extension of certificates like the Digital Radio Operators' Certificate?
6. Would amateur radio in Canada benefit from the introduction of a novice certificate?
7. If you feel positive about question 6, how could a novice certificate be accommodated within the proposed structure?



Our comments follow.

1. Are there other significant factors that should be considered etc.

- Has the D.O.C. considered the possible effects of large numbers of applicants and the subsequent over-taxing of the available frequencies.
- Has the D.O.C. considered the possible alienation of the proposed "A" licence holders by present amateurs who may resent their using repeaters that they have financed, built and maintain.  
Will this cause enough animosity to have a division of the ranks so to speak, which would not be in the best interests of amateur radio,
- Has the effect of a possible large number of people of which a portion may act in an irresponsible manner which will be to the detriment of amateur radio and the possibility of the D.O.C. being accused of being the architect of a system that has caused irreparable damage and is the D.O.C. willing to take full responsibility for the results along with its minister.

1. a) How could the proposed structure be improved?

- First, let us say that we agree with some of the rational behind this proposal. We need to attract more people in the ranks of amateur radio and particularly, young people. We do however, want to ensure that we attract more quality people and not just increase our numbers. We do believe, that the best way to keep the quality of amateurs at its present high level is to retain morse code as an entrance requirement.

We have an opportunity to satisfy both needs, increase the number of amateurs, and maintain quality amateurs by retaining morse code which will maintain the level of quality, and reduce the speed requirements to 5 WPM which will increase the number of people making application.

b) What are our suggestions for a new structure?

- We would like to present the following for consideration: two classes - "A" and "B."

Class A: Introductory level for the purpose of introducing a person to amateur radio.

Requirements Class A:

Morse code send by hand and receive by ear 5 WPM.

Theory as outlined in the above material draft in section 5.1 with heavy emphasis on the prevention of interference.

Privileges - all frequencies as presently applied to A 1 type emission only.

Power - 250 watts D.C. input to the final amplifier.

1. b) Class B

Requirements for Class B - "A" holder for 12 months and active for this period (average 5 C.W. contact per week).

Morse Code - send by hand and receive by ear 12 WPM.

Theory - as outlined in the above mentioned draft in section 1 for proposed certificate "C".

Privileges - sponsor and operate repeaters and remote base stations.

- operate their stations with a maximum power level of 1000 watts D.C. input to the final amplifier.

We would further suggest that all amateur operators presently licenced be automatically upgraded to the above noted class "B".

2. If you were an aspiring amateur, would this new proposal encourage you to become an amateur and why?

In answer, let us say that all present amateurs have a keen interest in radio communications and posses a certain amount of "technical curiosity." If they did not, they would not be amateurs, the price is too high (10 WPM) for the individual who wants to use only say 2M FM repeaters.

In answer to your question "Yes, the new D.O.C. proposal would attract more people"but with a no code requirement, we could have another GRS situation which is totally out of control.

3. If you are currently an amateur radio operator, would the proposed structure better reflect your normal operations and the equipment used in your station?

Yes it would probably change. The most significant would be that present operators, if automatically upgraded to "C" class, would undoubtedly equip their stations with more H.F. gear and become active below 30 MEG. with radiotelephone emissions.

It may also effect 2M FM operation if vast numbers of "A" licences are granted and the repeaters are used by no code amateurs, present amateurs may cease building and maintaining the repeaters and could possibly abandon the band.

4. What would the effects upon amateur radio be in the future if this structure were implemented?

Not having access to a crystal ball, this is a difficult question to answer but let us say this. Present day amateur radio operators are a proud group of people and rightly so, they have studied long and hard. For some people such as electronic engineers and technicians becoming an amateur is not that difficult but how about the welder, the carpenter, the school kid - for them it is a monumental task, many have done it and feel a tremendous sense of accomplishment. There is presently a great amount of respect in

4. amateur radio circles. This may be lost with a no code requirement. We have used the term before "quality people". We feel that we cannot over-stress this phrase.

Canadian amateurs are ambassadors of Canada. We communicate with many other countries and would respectfully suggest that we be extremely careful who we designate as ambassadors of Canada. Do we really want a GRS sporadic E situation on an international scale?

5. Would the proposed structure accommodate special interest groups ie: the Digital Certificate?

We feel that there is no need for the special Digital Certificate or classes other than our foregoing proposal of class "A" and "B".

6. Would amateur radio in Canada benefit from the introduction of a novice certificate?

We believe we have answered this question before but let us summarize here.

1. attract more potential amateurs.
2. maintain a quality service of responsible people.

7. If you feel positive about question 6, how could a novice certificate be accommodated within the proposed structure?

Again, we have answered this previously regarding the requirements and privileges. We cannot however, see it fitting in the D.O.C. proposal of 3 classes.

In summary, we would like to make the following general comments.

The D.O.C. has stated that they would very much like to reduce the associated cost of governing amateur radio. We can only agree with any intent to reduce government spending its certainly a move in the right direction.

We wish to assure you that we as present day amateurs will do our part in reducing the amount of effort that the D.O.C. spends on the Amateur Service. We have to date an excellent record of self policing our hobby. This could be extended further into the area of regulatory administration and licencing.

This has been a rather lengthy letter and we appreciate your patience. We further appreciate the fact that the D.O.C. has given us this opportunity to express our views in this matter.

Sincerely,